

5 WHAT IS CLAIMED:

1. A replendam, comprising:  
a first reticulated wall having a perimeter;  
a second reticulated wall disposed about at least a  
10 portion of the perimeter of the first reticulated wall,  
the second reticulated wall having a plurality of vanes  
supported thereon, the second reticulated wall extending  
to an outer frame; and,  
an air dam disposed in spaced apart relation to the  
15 first reticulated wall.
2. The replendam of Claim 1, wherein the air dam is  
attached to the first reticulated wall and to the second  
reticulated wall.  
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3. The replendam of Claim 2, wherein the air dam is  
attached to the first and second reticulated walls by a  
spring having a first leg attached to the first  
reticulated wall and having a second leg attached to the  
25 second reticulated wall.
4. The replendam of Claim 1, wherein the first  
reticulated wall is round.
- 30 5. The replendam of Claim 4, wherein the plurality of  
vanes extend from the perimeter of the first reticulated  
wall.
6. The replendam of Claim 1, wherein the outer frame  
35 has a groove disposed on a first side.

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7. The replendam of Claim 6, wherein the groove is V-shaped.

8. The replendam of Claim 1, wherein the outer frame  
10 has a sealing edge disposed on the side opposite from the air dam.

9. A replendam, comprising:

a first reticulated wall having a perimeter;

15 a second reticulated wall disposed about at least a portion of the perimeter of the first reticulated wall, the second reticulated wall having a plurality of vanes supported thereon, the plurality of vanes extending from the perimeter of the first reticulated wall, the second  
20 reticulated wall extending to an outer frame, the outer frame having a sealing edge disposed thereon; and,

an air dam disposed in spaced apart relation to the first reticulated wall and connected to the first and second reticulated walls.

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10. The replendam of Claim 9, wherein the first reticulated wall is round.

11. The replendam of Claim 9, wherein the air dam is  
30 connected to the first and second reticulated walls by a spring having a first leg attached to the first reticulated wall and having a second leg attached to the second reticulated wall.

35 12. The replendam of Claim 9, wherein the outer frame

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5 has a groove disposed on a first side.

13. A filter cartridge assembly, comprising:

a cover having a recessed portion with an opening  
at a first end covered by a reticulated wall, the  
10 recessed portion capable of receiving filter media, the  
cover having a planar wall disposed adjacent to the  
recessed portion and a rim;

filter media disposed inside the recessed portion  
of the cover;

15 a cartridge body having side walls and a bottom  
wall with an opening defined therein;

a sorbent media bed disposed inside the cartridge  
body; and,

a replendam having a first reticulated wall having  
20 a perimeter, a second reticulated wall disposed about at  
least a portion of the perimeter of the first  
reticulated wall, the second reticulated wall having a  
plurality of vanes supported thereon, the second  
reticulated wall extending to an outer frame, and, an  
25 air dam disposed in spaced apart relation to the first  
reticulated wall, the replendam disposed between the  
cover and the cartridge body such that the air dam  
engages with the filter media, the bottom of the  
replendam engages with the sorbent media bed, and the  
30 replendam defines a plenum chamber between the filter  
media and the sorbent media bed.

14. The filter cartridge assembly of Claim 13, wherein  
the air dam is connected to the first reticulated wall  
35 and to the second reticulated wall.

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15. The filter cartridge assembly of Claim 14, wherein the air dam is connected by a spring having a first leg attached to the first reticulated wall and having a second leg attached to the second reticulated wall.

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16. The filter cartridge assembly of Claim 13, wherein the first reticulated wall is round.

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17. The filter cartridge assembly of Claim 16, wherein the plurality of vanes extend radially from the perimeter of the first reticulated wall.

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18. The filter cartridge assembly of Claim 13, wherein the outer frame has a groove disposed on a first side.

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19. The filter cartridge assembly of Claim 18, wherein the groove is V-shaped.

20. The filter cartridge assembly of Claim 19, wherein the cover has a rib that engages with the groove on the outer frame of the replendam.

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21. The filter cartridge assembly of Claim 1, wherein the outer frame has a sealing edge.

22. A single stage filter assembly, comprising:  
a cover having a planar wall disposed adjacent to an outer rim;

a retaining member including a reticulated wall  
bordered by an outer frame, the retaining member having

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5 a plurality of springs disposed thereon;  
a cartridge body having side walls and a bottom  
wall with an opening defined therein; and,  
a sorbent media bed disposed inside the cartridge  
body.

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23. The filter assembly of Claim 22, wherein the  
springs are integrally formed in the retaining member.

24. The filter assembly of Claim 22, wherein the cover  
15 has an opening sized such that it can be covered by a  
hand of a user.

25. The filter assembly of Claim 22, wherein the  
retaining member further comprises a plurality of vane-  
20 like members for directing the air flow.

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